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When the rat proofing is complete the restrictions now placed on shipping, always unsatisfactory to all parties, may safely be withdrawn and rat catching, which is expensive, may be reduced at least 50 per cent.

Mobile has set an example that other cities may well follow.

Report of Plague-Prevention Work at Mobile, Ala., for the Week Ended October 10, 1914.

Instructions for rat proofing:		New buildings under supervision (building).....	26
Number issued to date.....	183	Rat catching and examination:	
Number issued this week.....	42	Rats caught to date.....	7,279
Work in progress:		Rats caught this week.....	513
Number of premises being rat proofed....	53	Rats examined this week.....	447
Number of premises rat proofing complete	9	Rats infected.....	None.

PLAGUE-ERADICATIVE WORK.

CALIFORNIA.

The following report of plague-eradication work in California for the week ended October 17, 1914, has been received from Surg. Long, of the United States Public Health Service, in charge of the work:

SAN FRANCISCO, CAL.		RATS TAKEN FROM STEAMERS. (NOT INCLUDED ABOVE.)	
Number of premises inspected.....	1,663	Transport <i>Thomas</i> (<i>Mus alexandrinus</i>)	5
Number of premises destroyed.....	11	(<i>Mus rattus</i>)	8
Number of nuisances abated.....	221		
Number of poisons placed.....	39,460		
Average number of traps set daily.....	1,317		
RATS COLLECTED AND EXAMINED FOR PLAGUE.		PORT COSTA, CAL.	
Collected.....	665	Number of rats trapped in sugar refinery....	21
Found dead.....	10	Number of rats trapped in warehouses.....	45
Examined.....	449	Number of rats trapped on water front.....	20
		Number of rats examined.....	59
RATS IDENTIFIED.		RATS IDENTIFIED.	
<i>Mus norvegicus</i>	347	<i>Mus norvegicus</i>	11
<i>Mus musculus</i>	87	<i>Mus musculus</i>	5
<i>Mus alexandrinus</i>	133	<i>Mus alexandrinus</i>	36
<i>Mus rattus</i>	98	<i>Mus rattus</i>	27

Record of plague infection.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	None.....	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	do.....	126 rats.
Berkeley.....	Aug. 28, 1907	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1908	do.....	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).....	Sept. 24, 1909	Oct. 17, 1909 (wood rat).	Aug. 7, 1914	286 squirrels, 1 wood rat.
Contra Costa.....	May 17, 1914	None.....	Aug. 25, 1914	1,563 squirrels.
Fresno.....	None.....	do.....	Oct. 27, 1911	1 squirrel.
Merced.....	do.....	do.....	July 12, 1911	5 squirrels.
Monterey.....	do.....	do.....	Apr. 10, 1914	6 squirrels.
San Benito.....	June 4, 1913	do.....	Sept. 26, 1914	36 squirrels.
San Joaquin.....	Sept. 18, 1911	do.....	Aug. 26, 1911	18 squirrels.
San Luis Obispo.....	None.....	do.....	Jan. 29, 1910	1 squirrel.
Santa Clara.....	Aug. 31, 1910	do.....	July 23, 1913	25 squirrels.
Santa Cruz.....	None.....	do.....	May 17, 1910	3 squirrels.
Stanislaus.....	do.....	do.....	June 2, 1911	13 squirrels.

Squirrels collected and examined for plague.

Contra Costa County.....	209
San Benito County.....	165
Alameda County.....	44
Total.....	418
Found infected.....	None.

Ranches inspected and hunted over.

Contra Costa County.....	42
Alameda County.....	5
San Benito County.....	21
Total.....	68

Operations on water front.

Vessels inspected for rat guards.....	29
Reinspections made on vessels.....	19
New rat guards procured.....	19
Defective rat guards repaired.....	11
Vessels on which cargo was inspected.....	

	Condition.	Rat evidence.
Steamer Lurline, from Hilo:		
75 bundles hemp.....	O. K.....	None.
150 cases pineapples.....	O. K.....	None.
175 sacks sugar.....	O. K.....	None.
Steamers Governor, Congress, Admiral Schley, and Admiral Farragut:		
125 boxes fruit.....	O. K.....	None.
425 cases canned goods, macaroni, and empty.....	O. K.....	None.
30 crates.....	O. K.....	None.
15 rolls paper.....	O. K.....	None.
1,275 sacks flour, wheat, bran, and grain.....	O. K.....	None.

Rats trapped on wharves and water front ...	27	Poisons placed on water front (pieces)	6,600
Rats trapped on vessels.....	29	Poisons placed within P. P. I. E. grounds (pieces).....	14,000
Traps set on wharves and water front	168	Bait used on water front and vessels, bacon (pounds).....	6
Traps set on vessels.....	153	Amount of bread used in poisoning water front (loaves).....	22
Vessels trapped on.....	15	Pounds of poison used on water front.....	11
Vessels searched for dead rats after fumigation.....	1		
Dead rats taken from vessels after fumigation.....	13		

Operations are being carried on under Federal supervision on the following-named properties, labor and material being furnished:

Names.	Location.	Treated.
Poisoned grain:		
Moraga Grant.....	Contra Costa County.....	860 acres.
Peoples Water Co.....	do.....	3,425 acres.
Avals Tract.....	do.....	254 acres.
McLaughlin Co.....	do.....	2,240 acres.
J. M. Holloway.....	Merced County.....	960 acres.
R. L. Peeler.....	do.....	110 acres.
Southern Pacific right of way	Alameda County.....	18 miles.
Western Pacific right of way	do.....	18 miles.
Destructors:		
Southern Pacific.....	Merced County.....	2½ miles.
Land inspected:		
McLaughlin Co.....	Contra Costa County.....	2,240 acres.
Southern Pacific.....	Alameda County.....	18 miles.
Do.....	Merced County.....	2½ miles.
Holes treated:		
Southern Pacific.....	do.....	2,586 holes.

The work is being carried on in the following-named counties: Alameda, Contra Costa, San Francisco, San Joaquin, Monterey, Merced, Stanislaus, San Benito, Santa Cruz, and Santa Clara.

LOUISIANA—NEW ORLEANS.

The following report of plague-eradivative work at New Orleans for the week ended October 24, 1914, has been received from Asst. Surg. Gen. Rucker, of the United States Public Health Service, in charge of the work:

OUTGOING QUARANTINE.			
Vessels fumigated with sulphur.....	54	Nebraska.....	6
Vessels fumigated with carbon monoxide....	25	New Jersey.....	4
Vessels fumigated with hydrocyanic gas.....	3	New Mexico.....	1
Sulphur used.....pounds.....	5,902	New York.....	12
Coke consumed in carbon monoxide fumiga- tion.....pounds.....	34,300	Ohio.....	73
Clean bills of health issued.....	36	Oklahoma.....	7
Foul bills of health issued.....	6	Pennsylvania.....	11
OVERLAND FREIGHT INSPECTION.		Tennessee.....	66
Cars inspected and passed.....	1,097	Texas.....	226
Cars rat proofed.....	2,158	Virginia.....	7
Cars condemned.....	17	West Virginia.....	1
Total cars inspected.....	3,272	Wisconsin.....	21
Rodents killed in cars.....	1	Canada.....	3
DESTINATION OF RAILROAD CARS INSPECTED WEEK ENDED OCT. 24.		FIELD OPERATIONS.	
Alabama.....	101	Number of rats trapped.....	7,074
Arkansas.....	18	Number of premises fumigated.....	5
California.....	33	Premises disinfected.....	675
Carolina, North.....	7	Premises inspected.....	9,542
Carolina, South.....	1	Poisons placed.....	4,500
Colorado.....	5	Notices served.....	3,336
Connecticut.....	1	BUILDINGS RAT PROOFED.	
Dakota, North.....	5	By elevation.....	24
Dakota, South.....	7	By marginal concrete wall.....	86
Delaware.....	1	By concrete floor and walls.....	175
Florida.....	68	By minor repairs.....	25
Georgia.....	37	Square yards of concrete laid.....	20,074
Idaho.....	3	Total buildings rat proofed.....	326
Illinois.....	451	Buildings rat proofed to date.....	2,146
Indiana.....	26	Abatements.....	715
Iowa.....	16	Abatements to date.....	11,555
Kansas.....	10	Dead inspected.....	121
Kentucky.....	42	LABORATORY OPERATIONS.	
Louisiana.....	1,091	Rats examined.....	6,686
Maryland.....	3	Mus norvegicus.....	3,623
Massachusetts.....	1	Mus alexandrinus.....	93
Michigan.....	36	Mus rattus.....	49
Minnesota.....	21	Mus musculus.....	3,015
Mississippi.....	612	Unclassified putrid.....	398
Maine.....	1	Total rodents received at laboratory.....	7,079
Missouri.....	93	Number of suspicious rats.....	13
		Plague rats confirmed.....	1

Plague rats.

Case No.	Address.	Captured.	Diagnosis confirmed.	Treatment of premises.
189	2721 Josephine Street.....	Oct. 19	Oct. 19	Destruction of rat harbors. Disinfection. Rat proofing initiated. Intensive trapping.

Summary.

Total number of rodents captured to Oct. 24.....	126,966
Total number of rodents examined to Oct. 24.....	105,701
Rodent cases to Oct. 24, by species:	
Mus rattus.....	10
Mus alexandrinus.....	3
Mus musculus.....	1
Mus norvegicus.....	175
Total rodent cases up to Oct. 24.....	189

Rat Proofing Public Wharves.

The following resolution was adopted October 28, 1914, by the Board of Commissioners of the port of New Orleans:

Whereas the rat proofing of the public warehouses is one of the most important steps in the elimination and prevention of bubonic plague from the city of New Orleans: Therefore be it

Resolved by the Board of Commissioners of the port of New Orleans, That it be made the definite policy of this board to place all of the public wharves under its jurisdiction in rat-proof condition as rapidly as the finances of the board will permit; and be it further

Resolved, That the rat proofing of the Toulouse Street wharf and the Girod Street wharf be started as soon as the necessary plans can be made, and that the Erato Street wharf, the Dumaine and Julia Street wharves be placed in rat-proof condition within the next 12 months, the work on said wharves to be done as rapidly as funds become available.

WASHINGTON—SEATTLE.

Plague Rats.

Two plague-infected rats have been found at Seattle, 1 on October 31 and 1 on November 2, 1914.

The following report of plague-eradivative work at Seattle for the week ended October 10, 1914, has been received from Surg. Lloyd, of the United States Public Health Service, in charge of the work:

RAT PROOFING.		LABORATORY AND RODENT OPERATIONS.	
New buildings inspected.....	67	Dead rodents received.....	29
Total concrete laid, N. B. (54,808 square feet):		Rodents trapped and killed.....	453
Basements concreted, N. B. (27,840 square feet).....	31	Rodents recovered after fumigation.....	54
Floors concreted, N. B. (21,780 square feet).....	19	Total.....	536
Yards, etc., concreted, N. B. (1,499 square feet).....	3	Rodents examined for plague infection.....	394
Sidewalks concreted (3,689 square feet).....		Rodents proven plague infected.....	None.
New buildings elevated.....	4	Blocks poisoned.....	17
Old buildings inspected.....	1	Poison distributed, pounds.....	50
Premises rat proofed, concrete.....	51	CLASSIFICATION OF RODENTS.	
Buildings raised.....	2	Mus rattus.....	18
WATER FRONT.		Mus alexandrinus.....	104
Vessels inspected and histories recorded....	8	Mus norvegicus.....	292
Vessels fumigated.....	6	Mus musculus.....	96
Sulphur used, pounds.....	3,500	Not classified.....	54
Vessels searched for dead rats.....	5	RODENTS EXAMINED IN TACOMA.	
Fumigation certificates issued.....	6	Mus norvegicus.....	18
Canal Zone certificates issued.....	3	Rodents infected.....	None.
Port sanitary statements issued.....	50		

The usual day and night patrol was maintained to enforce rat guarding.

HAWAII—HONOLULU.

The following report of plague-eradication work at Honolulu for the week ended October 10, 1914, has been received from Surg. Trotter, of the United States Public Health Service:

Total rats and mongoose taken.....	493	Classification of rats killed by sulphur dioxide:	
Rats trapped.....	457	Mus alexandrinus.....	13
Mongoose trapped.....	12	Mus rattus.....	7
Rats found dead (Mus alexandrinus).....	1	Last case rat plague, Aiea, 9 miles from Honolulu,	
Rats killed by sulphur dioxide.....	20	April 12, 1910.	
Examined microscopically.....	424	Last case human plague, Honolulu, July 10, 1910.	
Plague infection.....	0	Last case rat plague, Kalopa Stable, Paauhau, Ha-	
Classification of rats trapped:		waii, Aug. 29, 1914.	
Mus alexandrinus.....	240	Last case human plague, Paauhau Landing, Ha-	
Mus musculus.....	130	waii, August 17, 1914.	
Mus norvegicus.....	52		
Mus rattus.....	35		